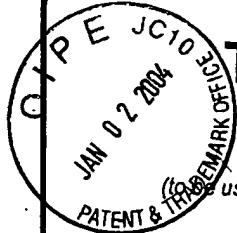


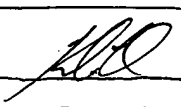
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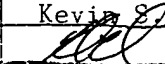
PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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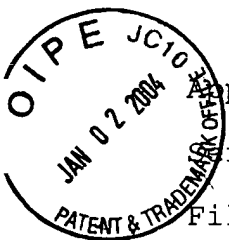
 <b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/685,057
	Filing Date	October 14, 2003
	First Named Inventor	Bruce A. Bishop
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	647P004

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	-Form PTO-1449
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	-References cited - 4
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kevin S. Lemack Niels & Lemack
Signature	
Date	December 29, 2003

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: <b>Dec. 29, 2003</b>		
Typed or printed name	Kevin S. Lemack	
Signature		Date December 29, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bruce A. Bishop et al.  
Serial No. : 10/685,057  
Filed : October 14, 2003  
For : MEMBRANE DEVICES USING REACTION BONDED MONOLITH  
SUPPORTS  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 647P004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

INFORMATION DISCLOSURE STATEMENT

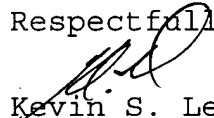
The Examiner is respectfully requested to consider the documents which are listed on the attached form PTO 1449.

Copies of the documents listed on the attached form are filed herewith.

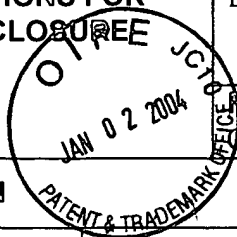
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Signature: **Kevin S. Lemack**  
Date: **December 29, 2003**

Respectfully submitted,

  
**Kevin S. Lemack**  
Attorney for Applicants  
Registration No. 32,579  
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176 E. Main Street  
Westboro, MA 01581  
TEL: (508) 898-1818

<b>FORM PTO-1449</b> <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b>	<b>ATTY. DOCKET NO.</b> 647P004	<b>SERIAL NO.</b> 10/685,057
	Bruce A. Bishop et al.	
	<b>FILING DATE</b> October 14, 2003	<b>GROUP</b> Not yet assigned


**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BA							
	BB							
	BB							

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

	CA		American Ceramic Society Bulletin; August 2003; pages 9701-9705; Haijun Zhang et al.; "Synthesis of $\beta$ -SiAlON by Reaction Sintering".
	CB		J.Mater. Res., Vol. 17, No. 2, Feb 2002; pages 386-395; R.Ramachandra Rao et al.; "Nitride-bonded silicon nitride from slip-cast Si+Si <sub>3</sub> N <sub>4</sub> compacts".
	CC		J.Am.Ceram.Soc., 83[2] 245-65 (2000); Frank L. Riley ; "Silicon Nitride and Related Materials"
	CD		Ceramic Bulletin, Vol. 67, No. 2, 1988; pages 356-363; Malcolm E. Washburn et al.; "Reaction-Formed Ceramics".

**EXA MINER:** Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance *and* not considered. Include copy of this form with next communication to applicant.

SR=Cited in Search Report